**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/691,942
	Filing Date	October 22, 2003
	First Named Inventor	CHISHTI, MUHAMMAD
	Art Unit	Unassigned
	Examiner Name	Unassigned
Total Number of Pages in This Submission	Attorney Docket Number	018563-005820US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

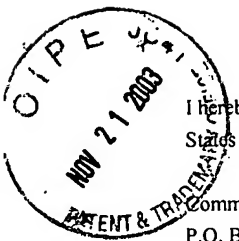
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP James M. Heslin	Reg. No. 29,541
Signature		
Date	November 13 2003	

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Typed or printed name	Edward Masinas		
Signature		Date	November 14, 2003



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PATENT
Attorney Docket No.: 018563-005820US
Client Reference No.: AT00112.2

On 11-14-03

TOWNSEND and TOWNSEND and CREW LLP

By: Edward Masinas

Edward Masinas

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MUHAMMAD CHISHTI et al.

Application No.: 10/691,942

Filed: October 22, 2003

For: DIGITALLY MODELING THE
DEFORMATION OF GINGIVAL
TISSUE DURING ORTHODONTIC
TREATMENT

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 10/280,556, filed October 24, 2002 (Attorney Docket No. 018563-005810US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

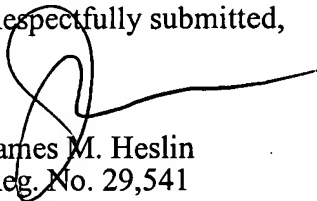
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

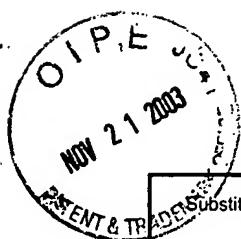
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



James M. Heslin
Reg. No. 29,541

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60082380 v1

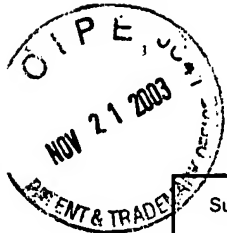


INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/691,942	
			Filing Date	October 22, 2003	
			First Named Inventor	CHISHTI, MUHAMMAD	
			Art Unit	Unassigned	
Examiner Name	Unassigned				
Sheet	1	of	4	Attorney Docket Number	018563-005820US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	1	US-3,660,900	05-09-1972	Andrews	
	2	US-3,860,803	01-14-1975	Levine	
	3	US-4,504,225	03-12-1985	Yoshii	
	4	US-4,505,673	03-19-1985	Yoshii	
	5	US-4,755,139	07-05-1988	Abbatte et al.	
	6	US-4,793,803	12-27-1988	Martz	
	7	US-4,798,534	01-17-1989	Breads	
	8	US-4,856,991	08-15-1989	Breads et al.	
	9	US-4,936,862	06-26-1990	Walker et al.	
	10	US-5,011,405	04-30-1991	Lemchen	
	11	US-5,017,133	05-21-1991	Miura	
	12	US-5,035,613	07-30-1991	Breads et al.	
	13	US-5,055,039	10-08-1991	Abbate et al.	
	14	US-5,059,118	10-22-1991	Breads et al.	
	15	US-5,139,429	08-18-1992	Andreiko et al.	
	16	US-5,186,623	02-16-1993	Breads et al.	
	17	US-5,273,429	12-28-1993	Rekow	
	18	US-5,338,198	08-16-1994	Wu et al.	
	19	US-5,340,309	08-23-1994	Robertson	
	20	US-5,342,202	08-30-1994	Deshayes	
	21	US-5,368,478	11-29-1994	Andreiko et al.	
	22	US-5,382,164	01-17-1995	Stern	
	23	US-5,395,238	03-07-1995	Andreiko et al.	
	24	US-5,431,562	07-11-1995	Andreiko et al.	
	25	US-5,447,432	09-05-1995	Andreiko et al.	
	26	US-5,452,219	09-19-1995	Dehoff et al.	
	27	US-5,454,717	10-03-1995	Andreiko et al.	
	28	US-5,456,600	10-10-1995	Andreiko et al.	
	29	US-5,474,448	12-12-1995	Andreiko et al.	
	30	US-5,533,895	07-09-1996	Andreiko et al.	
	31	US-5,542,842	08-06-1996	Andreiko et al.	
	32	US-5,549,476	08-27-1996	Stern	
	33	US-5,587,912	12-24-1996	Anderson et al.	
	34	US-5,605,459	02-25-1997	Kuroda et al.	
	35	US-5,607,305	03-04-1997	Anderson et al.	
	36	US-5,621,648	04-15-1997	Crump	
	37	US-5,645,421	07-08-1997	Slootsky	
	38	US-5,725,376	03-10-1998	Poirier	
	39	US-6,217,334 B1	04-17-2001	Hultgren	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
60082380 v1

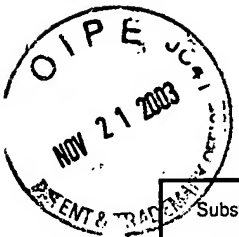


Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/691,942	
			Filing Date	October 22, 2003	
			First Named Inventor	CHISHTI, MUHAMMAD	
			Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	2	of	4	Attorney Docket Number	018563-005820US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	40	FR	2 369 828		06-02-1978			<input type="checkbox"/>
	41	WO	94/10935		05-26-1994			<input type="checkbox"/>
	42	WO	98/32394		07-30-1998			<input type="checkbox"/>

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			Application Number	10/691,942	
			Filing Date	October 22, 2003	
			First Named Inventor	CHISHTI, MUHAMMAD	
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			Examiner Name	Unassigned	
Sheet	3	of	4	Attorney Docket Number	018563-005820US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	43	Biostar Operation & Training Manual, Great Lakes Orthodontics, Ltd. 20 pgs.	
	44	Chiappone, "Constructing the Gnathologic Setup and Positioner", J. Clin. Orthod. Vol. 14, no. 2., 2/80, pp. 121-133.	
	45	Cottnhgam, "Gnatologic Clear Plastic Positioner", Am. J. Orthod. vol. 55, no. 1, 01/69, pp. 23-31.	
	46	Cureton, "Correcting Maligned Mandibular Incisors with Removable Retainers", J. Clin. Orthod. vol. 30, no. 7, 7/96, pp. 390-395.	
	47	Doyle, "Digital Dentistry" Computer Graphics World (October 2000) pp. 50-52, 54.	
	48	Elsasser, "Some Observations on the History and Uses of the Kesling Positioner", Am. J. Orthod. vol. 36, 01-12/50, pp. 386-374.	
	49	Kamada et al., "Construction of Tooth Positioners with LTV Vinyl Silicone Rubber and some Case Reports", J. Nihon University School of Dentistry, vol. 24, no. 1, 3/82, pp. 1-27.	
	50	Kesling, "Coordinating the Predetermined Pattern and Tooth Positioner with Conventional Treatment", Am. J. Orthod. Oral Surg. vol. 32, no. 5, 5/46.	
	51	Kesling, "The Philosophy of the Tooth Positioning Appliance", Am. J. Orthod. Oral surg. vol. 31, no. 6, 6/45, pp. 297-304.	
	52	Kleeman et al., "The Speed Positioner", J. Clin. Orthod. vol. 30. no. 12, 12/96, pp. 673-680.	
	53	Kuroda et al., "Three dimensional Dental Cast Analyzing system Using Laser Scanning", Am. J. Orthod. Dentofac. Orthop, vol. 110, no. 4, 10/96, pp. 365-369.	
	54	Nishiyama et al., "A New Construction of Tooth Positioner by LTV Vinyl Silicone Rubber", J. Nihon Univ. School of Dentistry, vol. 19, no. 2, 6/77, pp. 93-102.	
	55	Redmond et al., "Clinical Implications of Digital Orthodontics" Am. J. Orthodont. Dentofacial Orthopedics (2000) 117(2) 240-242.	
	56	Sheridan, "Moving Teeth with Essix™ Appliances: Windows & Divots™, Essix™ Appliances Fabrication, Application and Rationale, Raintree Essix & ARS Materials, Inc.", Technical Magazine, www.essix.com/magazine/default, 8/97, 7 pgs.	
	57	Shilliday, "Minimizing Finishing Problems with the Mini-positioner", Am. J. Orthod. vol. 59, no. 6, 6/71, pp. 596-599.	
	58	Warunek et al. "Physical and Mechanical Properties of Elastomers in Orthodontic Positioners", Am. J. Orthod. Dentofac. Orthop, vol. 95, no. 5, 5/89, pp. 388-400.	

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Sheet	4	of	4	Attorney Docket Number	018563-005820US

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	59	Wells, "Application of the Positioner Appliance in Orthodontic Treatment", Am. J. Orthodont. vol. 58, no. 4, 10/70, pp.351-366.	
	60	Yoshii, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-I. The D.P. Concept and Implementation of Transparent Silicone Resin (Orthocon)", Nippon Dental Review, vol. 452, 6/80, pp. 61-74.	
	61	Yoshii, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-II. The D.P. Manufacturing Procedure and Clinical Applications", Nippon Dental Review, vol. 454, 8/80, pp. 107- 130.	
	62	Yoshii, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-III. The General concept of the D.P. Method and its Therapeutic Effect, Part I. Dental and Functional Reversed Occlusion Case Reports", Nippon Dental Review, vol. 457, 11/80, pp. 146-164.	
	63	Yoshii, "Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-III. The General concept of the D.P. Method and its Therapeutic Effect, Part 2, Skeletal Reversed Occlusion Case Reports", Nippon Dental Review, vol.I 458, 12/80, pp. 112-129.	

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